

FIG. 1

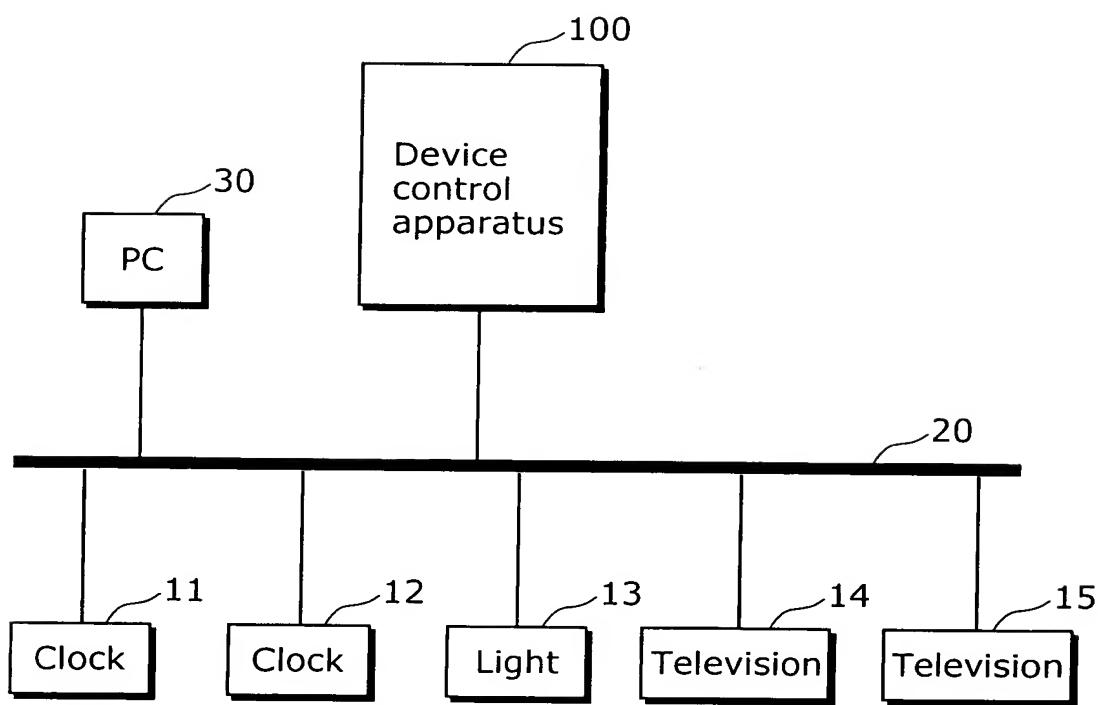
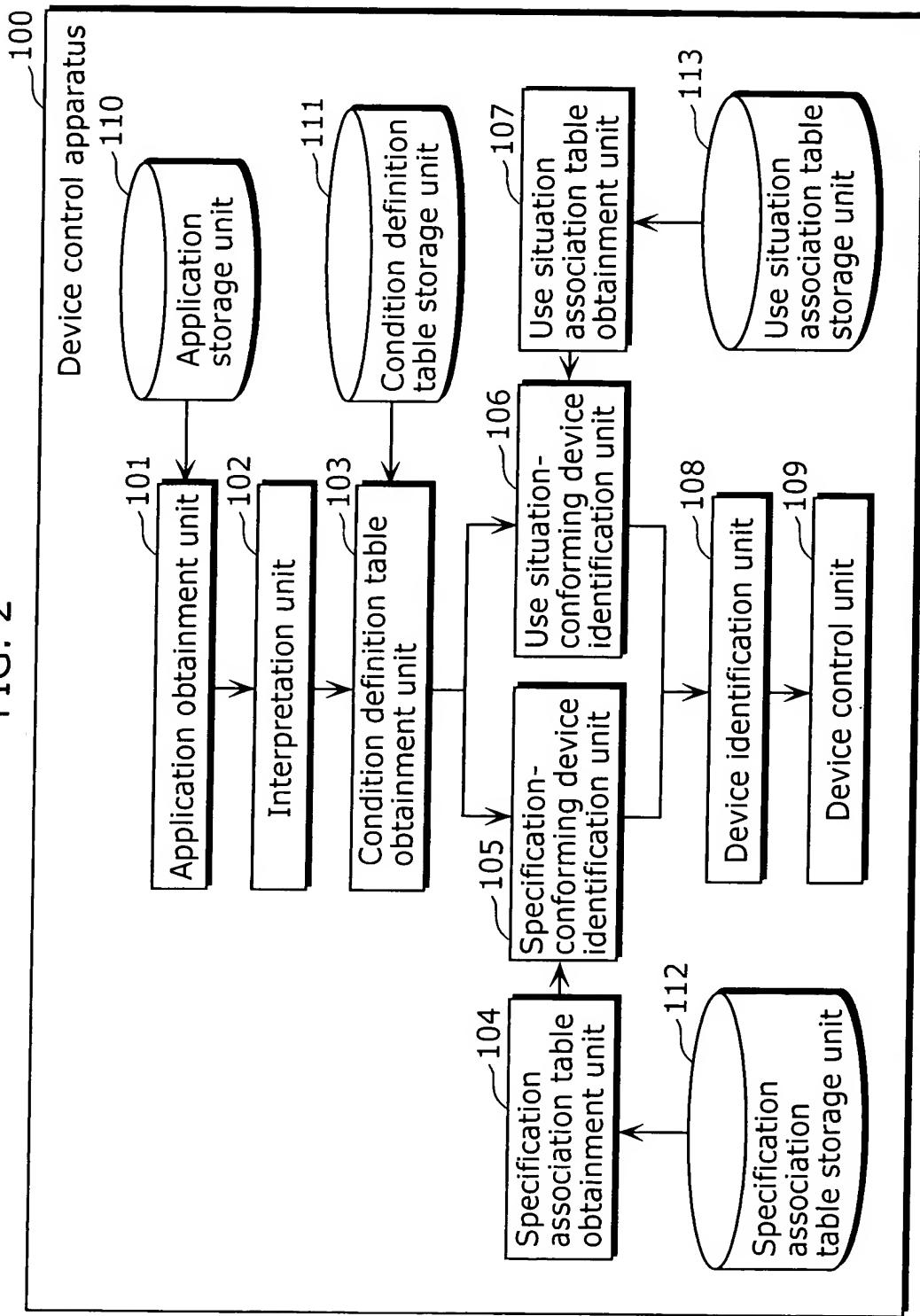


FIG. 2



**FIG. 3**

Tardiness prevention application

TimeKeeper. detectWakeupTime ();	← L01
WakeUpper. Wakeup ();	← L02
Chef. serveBreakfast ();	← L03
...	

**FIG. 4**

Condition definition table (for the WakeUpper)

Specification condition	Use situation condition
Alarm function	Use location: Bedroom Use time: Morning

## FIG. 5

Specification association table (Yes:Y, No:N)

	Alarm function	Light function	On-timer reproduction function
Clock 11	Y	N	N
Clock 12	Y	N	N
Light 13	N	Y	N
Television 14	N	N	Y
Television 15	N	N	Y

## FIG. 6

Use situation association table

Device	Use location	Use time	Situation
Clock 11	Kitchen	Morning, Evening	No record of manipulation
Clock 12	Bedroom	Morning, Night	Manipulate every morning
Light 13	Bedroom	Night	Manipulate every night
Television 14	Kitchen	Morning, Evening, Night	Manipulate every evening
Television 15	Bedroom	Morning, Night	Manipulate every night

FIG. 7

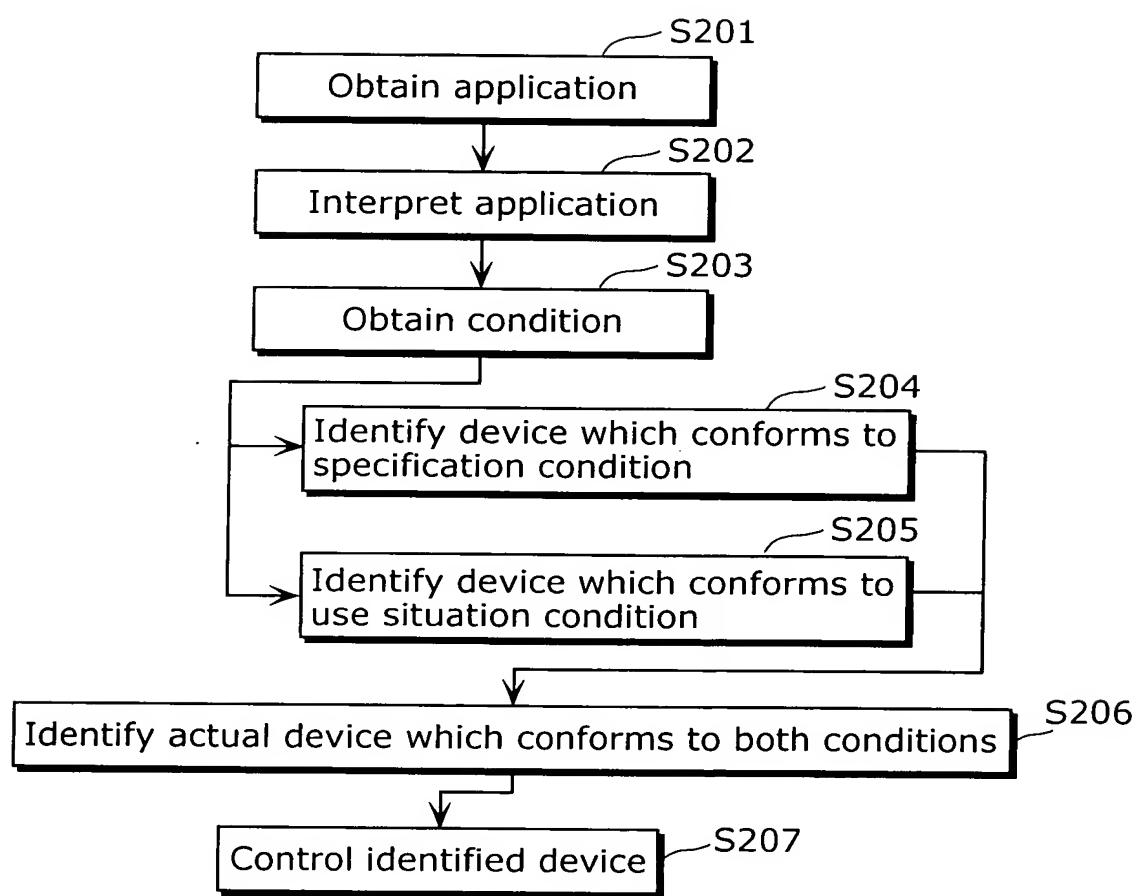


FIG. 8

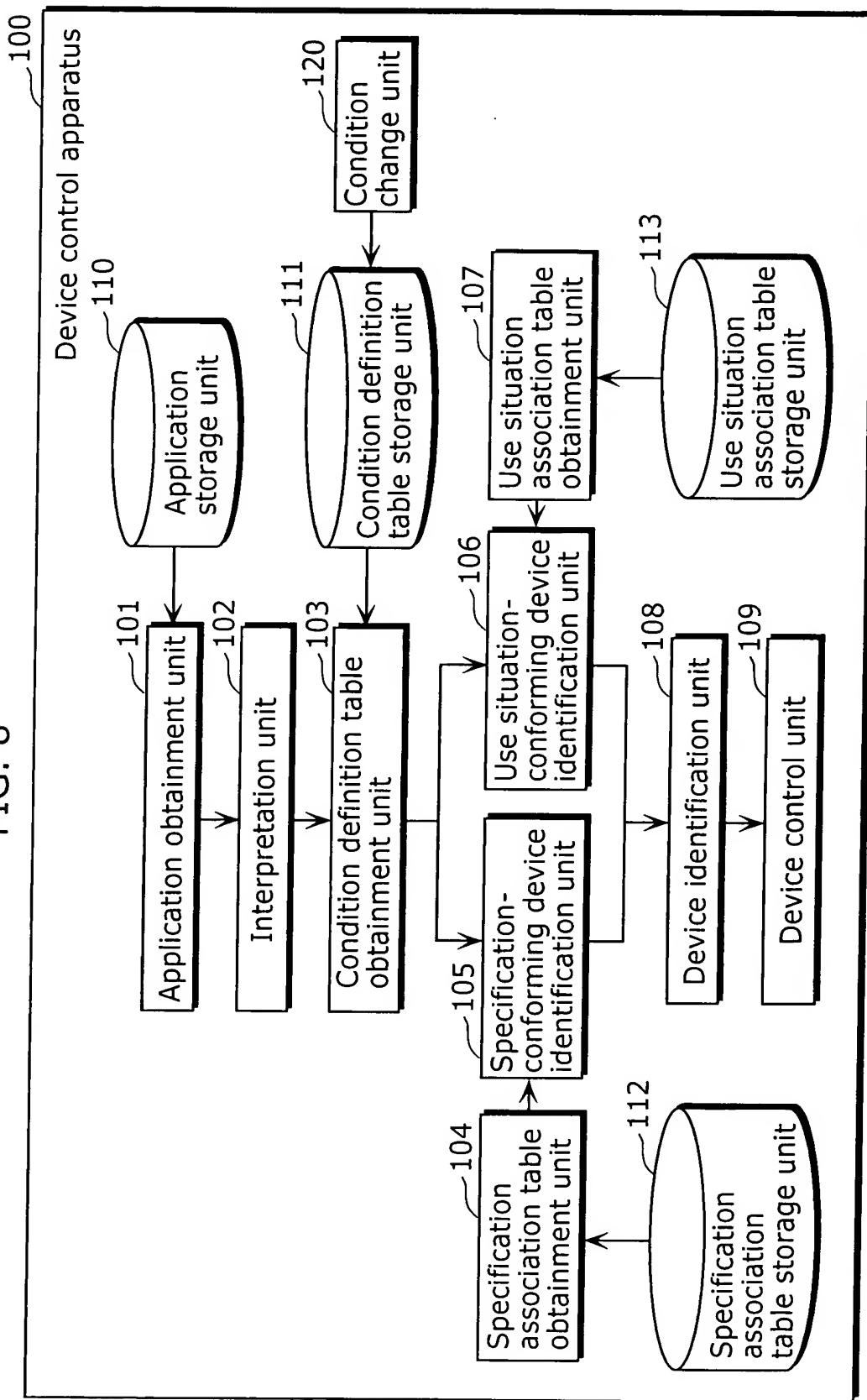


FIG. 9

WakeUpper
[Specification condition]
<input checked="" type="radio"/> Alarm function <input type="radio"/> Light function <input type="radio"/> On-timer reproduction function
[Use situation condition]
(Use location) <input type="radio"/> Kitchen <input checked="" type="radio"/> Bedroom <input type="radio"/> Living room
(Use time) <input checked="" type="checkbox"/> Morning <input type="checkbox"/> Daytime <input type="checkbox"/> Evening <input type="checkbox"/> Night

FIG. 10

Condition definition table (for the WakeUpper)

Specification condition	Use situation condition
On-timer reproduction function	Use location: Bedroom Use time: Morning

FIG. 11

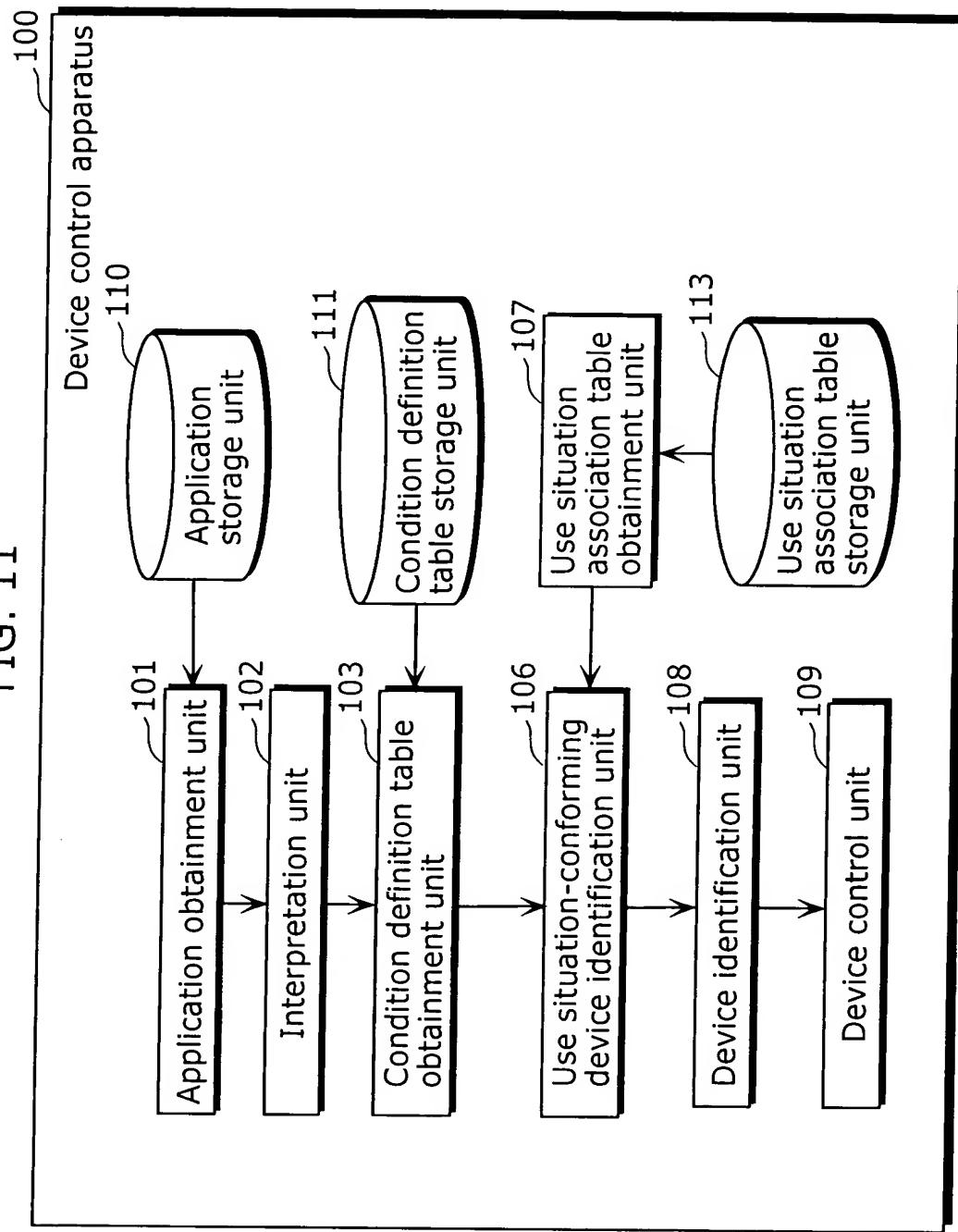


FIG. 12

Specification association table (Yes:Y, No:N)

	Alarm function	Light function	On-timer reproduction function	Mass	Color
Clock 11	Y	N	N	100g	Black
Clock 12	Y	N	N	320g	White
Light 13	N	Y	N	870g	White
Television 14	N	N	Y	20kg	Black
Television 15	N	N	Y	3.2kg	Silver

FIG. 13

